LEGEND

Symbol	Description
S	SERVICE POLE
⊠	CONTROL CABINET
OH	CABLE-OVERHEAD
	SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
(XX)	SIGNAL HEAD, TRAFFIC SIGNAL POLE, NON-BREAKAWAY BASE
	PEDESTRIAN HEAD WITH PUSH BUTTON
	PUSH BUTTON
	LUMINAIRE UNDER PERMIT TO LOCAL MUNICIPALITY
	LUMINAIRE, 12 FT TRUSS TYPE, 250WATT
	LOOP DETECTOR (In 1" conduit)
	LOOP DETECTOR (1/4" Grooves)
⊕	PULL BOX, 12" X 24"
⊗	PULL BOX, 24" X 42"
3 / RYG	HEAD NUMBER / MOUNTING CONFIGURATION
11	HEAD NUMBER / DON'T WALK/WALK INDICATOR
- - -	CONDUIT, NON-METALLIC

R10-3BR 9" X 12"
INSTALL ON SB1

R10-3BL 9" X 12"
INSTALL TWO ON SB8
INSTALL ONE ON SB5

WARNER STREET

Wolf River Bank

STH 15 (Main St)
25 mph Posted Speed Limt

As-Built 8-22-2007

Park Exit and Entrance (Asphalt)

Park Entrance (Asphalt) (No Exit)

70' TO NEAR RIGHT SIGNAL

N

CONFIGURATION WITH HEAD NUMBERS

3-H	3-V		2-P
RYG	R 1, 3, 4	R	☑
2, 5	Y 6, 8, 9	Y 7	10, 11
	G	G	12, 13

NOTE
SB2, SB3, and SB6 DO NOT HAVE TRANSFORMER BASES.

TRAFFIC CONTROL SIGNAL
STH 15 & WARNER STREET
VILLAGE OF HORTONVILLE
OUTAGAMIE COUNTY

SIGNAL NO. 1242   CONTROLLER TYPE:

WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVAL RECOMMENDED
Date 2-21-07   Robert J. Schuurmans
REGION TRAFFIC ENGINEER
APPROVED
Date 2-27-07   Balu Ananthanarayanan
STATE TRAFFIC ENGINEER

REGION CONTACT: CJS
DESIGNED BY: CJS
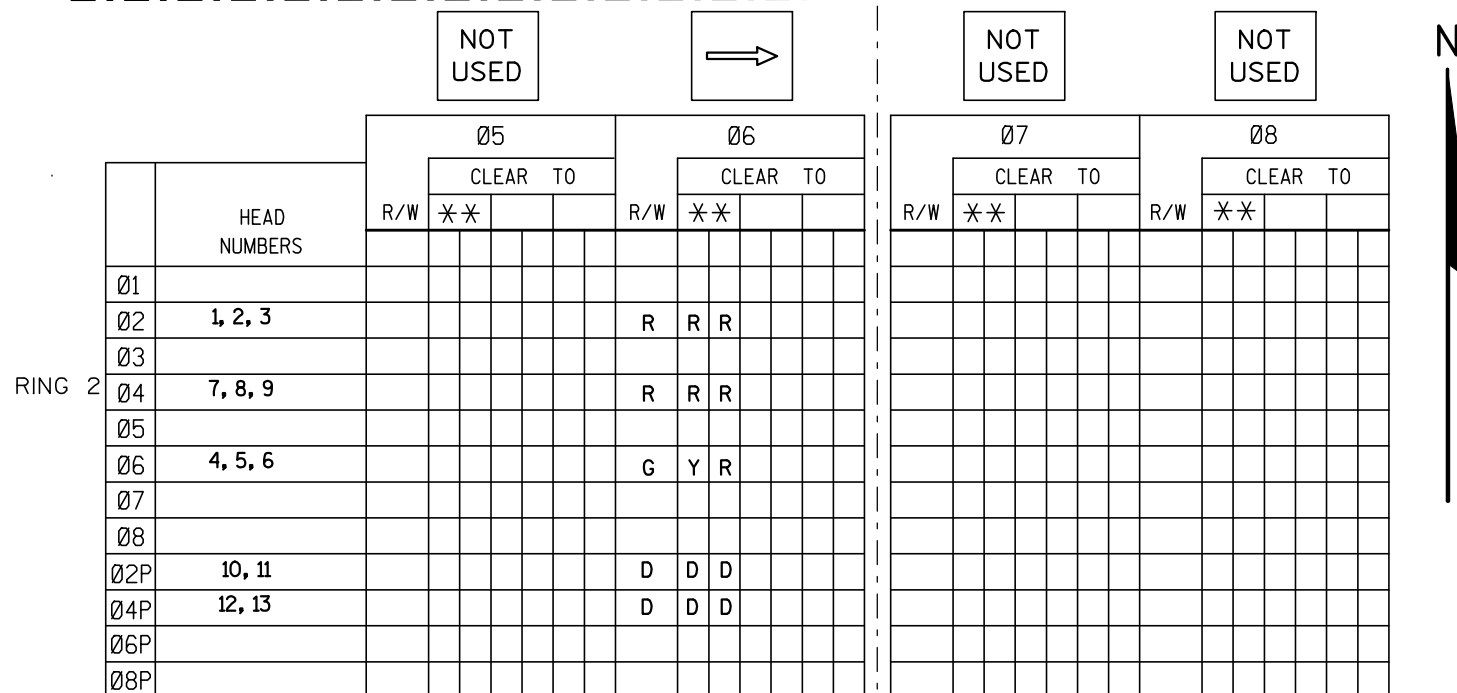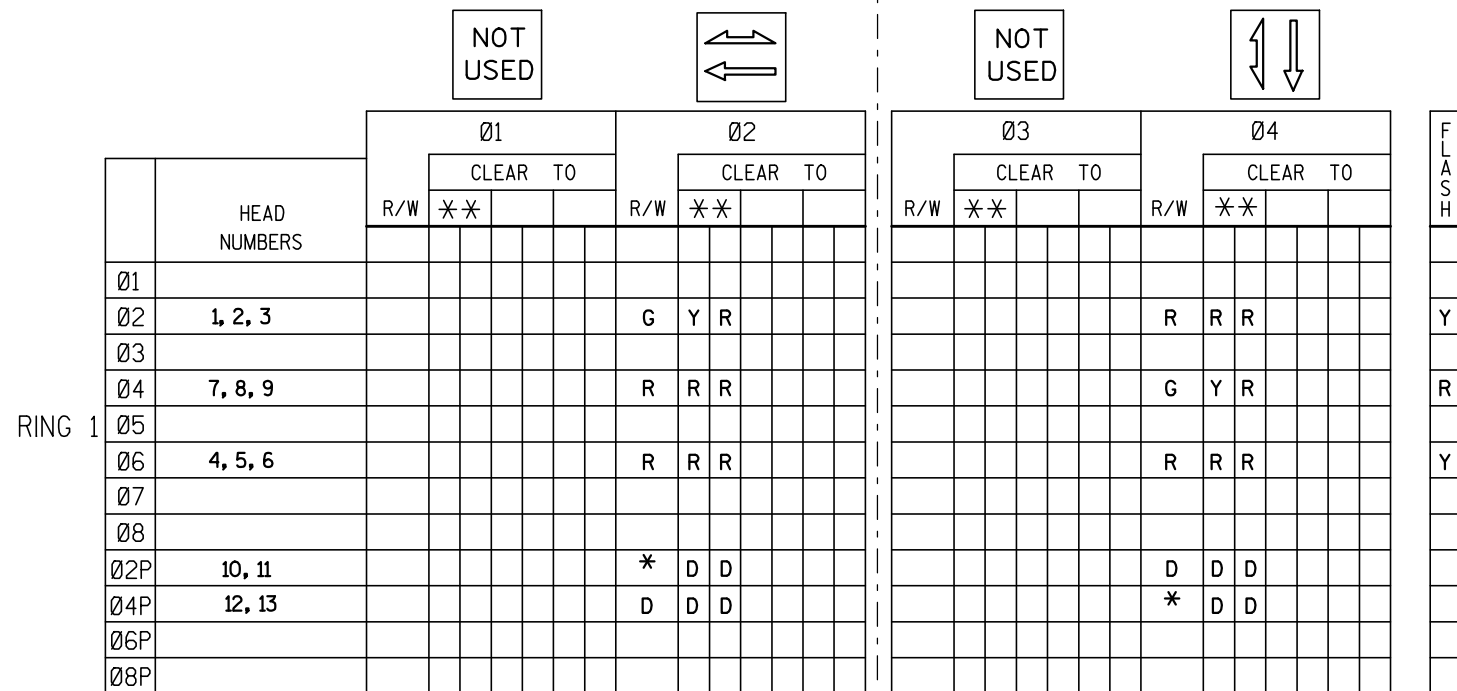REVISED BY:
PAGE 1 OF 2

| PROJECT NO: 1146-22-71 | HWY: STH 15 | COUNTY: OUTAGAMIE | TRAFFIC CONTROL SIGNAL S-1242 | SHEET | E |

FILE NAME: F:\d3_traffi\S-1242.dgn   PLOT DATE : 22-AUG-2007 14:07   PLOT BY : dotc5s   PLOT NAME : S-1242.ab   PLOT SCALE : 20.000000:1.000000   WISDOT/CADDS SHEET 42

SEQUENCE OF OPERATION

NOT USED | ⇄ (arrows) | NOT USED | ⇓⇓ (arrows)

RING 1

	HEAD NUMBERS	Ø1 R/W	Ø1 CLEAR TO **		Ø2 R/W	Ø2 CLEAR TO **		Ø3 R/W	Ø3 CLEAR TO **		Ø4 R/W	Ø4 CLEAR TO **		FLASH
Ø1														
Ø2	1, 2, 3					G	Y	R						Y
Ø3														
Ø4	7, 8, 9					R	R	R			G	Y	R	R
Ø5														
Ø6	4, 5, 6					R	R	R			R	R		Y
Ø7														
Ø8														
Ø2P	10, 11					*	D	D			D	D	D	
Ø4P	12, 13					D	D	D			*	D	D	
Ø6P														
Ø8P														

NOT USED | → (arrow) | NOT USED | NOT USED

RING 2

	HEAD NUMBERS	Ø5 R/W	Ø5 CLEAR TO **		Ø6 R/W	Ø6 CLEAR TO **		Ø7 R/W	Ø7 CLEAR TO **		Ø8 R/W	Ø8 CLEAR TO **	
Ø1														
Ø2	1, 2, 3					R	R	R						
Ø3														
Ø4	7, 8, 9					R	R	R						
Ø5														
Ø6	4, 5, 6					G	Y	R						
Ø7														
Ø8														
Ø2P	10, 11					D	D	D						
Ø4P	12, 13					D	D	D						
Ø6P														
Ø8P														

BARRIER

** CLEARANCE TO A PHASE IN CONFLICT WITH THIS PHASE ON (SEE CHART 1)

* WHEN CALLED, TIMED STEADY WALK, THEN FLASHING DON'T WALK, THEN GOES TO STEADY DON'T WALK

D = DON'T WALK

N (north arrow)

DETECTOR LOGIC

DETECTOR NUMBER	AMPLIFIER CHANNEL NUMBER	DETECTOR OPERATION CALLS AND EXTENDS	CALLS ONLY	EXTENDS ONLY	PHASE CALLED	PHASE EXTENDED	DETECTOR DISCONNECT PHASE	CALLING DELAY	EXTENSION STRETCH	SIZE (feet)	NUMBER OF TURNS
21	1	X			2	2				6x6	3
41	2	X			4	4	X			6x15	2
42	3	X			4	4	X			6x15	2
43	4	X			4	4	X			6x15	2
44	5	X			4	4	X			6x15	2
61	6	X			6	6				6x6	4
62	7	X			6	6				6x6	4

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W/Ø	PHASE RECALL	PHASE ACTIVE
1				
2			MIN	YES
3				
4				YES
5				
6			MIN.	YES
7				
8				

TYPE OF INTERCONNECT	
NONE	
TBC	x
CLOSED LOOP	
HARDWIRE	
TONE (FREQ)	
FIBER OPTIC	
RADIO	
MASTER SIGNAL NO:	

TYPE OF PRE-EMPT	
NONE	x
RAILROAD	
EMERGENCY VEHICLE	
TYPE:	
QUEUE DETECTOR	
LIFT BRIDGE	

TYPE OF LIGHTING	
BY OTHERS	
IN TRAFFIC SIGNAL CABINET	x
IN SEPARATE DOT LIGHTING CABINET	

GENERAL NOTES:

1. ANY ACTUATED PHASE FOR WHICH THERE IS NO CALL SHALL BE SKIPPED.

2. WHEN ONE PHASE IS ON ALONE, ANY NONCONFLICTING PHASE MAY START TIMING CONCURRENTLY WITHOUT A CLEARANCE INTERVAL. (SEE CHART 1 AT LEFT.)

3. IF ANY OPPOSING THRU PHASES ARE TIMING CONCURRENTLY, THEY SHALL TERMINATE TOGETHER DUE TO PERMISSIVE LEFT TURN CONFLICT.

4. PROVIDE FOR HAND CONTROL.

CHART 1

PHASE ON	NONCONFLICTING PHASE ALLOWED TO TIME CONCURRENTLY	PHASES IN CONFLICT WITH PHASE ON
1		
2	6	4
3		
4	NONE	2,6
5		
6	2	4
7		
8		

As-Built 8-22-2007

STH 15 & WARNER STREET
VILLAGE OF HORTONVILLE
OUTAGAMIE COUNTY

SIGNAL NO. 1242

CONTROLLER TYPE:

DATE 2-27-07   PAGE NO. 2 OF 2

PROJECT NO: 1146-22-71 | HWY: STH 15 | COUNTY: OUTAGAMIE | SEQUENCE OF OPERATIONS S-1242 | SHEET | E

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